



State of California
 California Environmental Protection Agency
 Office of Environmental Health Hazard Assessment

Incumbent: (vacant)
 Classification: Staff Toxicologist
 Position Number: 811-130-7978-043

DUTY STATEMENT

CURRENT PROPOSED

RPA Number: CEERB-004 FY 25-26	Classification Title: Staff Toxicologist	Position Number: 811-130-7978-043
Incumbent Name:	Working Title: Lead Air and Energy Toxicologist	Effective Date:
Tenure: Permanent	Time Base: Full Time	Intermittent Hours Per Month: N/A
Division/Office: Division of Scientific Programs/ Community and Environmental Epidemiology Research Branch	Section/Unit: Air and Climate Epidemiology Section	Reporting Location: Oakland or Sacramento
Supervisor's Name: May Bhetraratana	Supervisor's Classification: Senior Toxicologist	CBID: R10
Confidential Designation: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Designated Position for Conflict of Interest: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Position Telework Eligible: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Supervision Exercised: <input checked="" type="checkbox"/> None <input type="checkbox"/> Lead <input type="checkbox"/> Managerial <input type="checkbox"/> Supervisory		

Human Resources Use Only:	
HR Analyst Approval:	Date:

General Statement

This position requires the incumbent to maintain consistent and regular attendance; communicate effectively (orally and in writing if both appropriate) in dealing with the public and/or other employees; develop and maintain knowledge and skill related to specific tasks, methodologies, materials, tools and equipment; complete assignments in a timely and efficient manner; and adhere to department policies and procedures regarding attendance, leave, and conduct.

Position Description

This position is in the Air and Climate Epidemiology Section (ACES) within the Community and Environmental Epidemiology Research Branch (CEERB) of the Office of Environmental Health Hazard Assessment (OEHHA). ACES provides technical support for the evaluation of the health effects of



criteria air pollutants and temperature on human health and the analysis of health risks from oil and gas/biogas operations. ACES also provides technical assistance to other programs in OEHHA, the California Environmental Protection Agency (CalEPA), and other California government entities. This position is the lead in supporting OEHHA's work in collaboration with the California Air Resources Board (CARB) to identify hazards and characterize potential risks in California communities from ongoing oil and gas production activities and from unanticipated events such as the natural gas leak at Aliso Canyon. The position is also the lead in working with CARB and the California Public Utilities Commission (CPUC) to identify hazards and assess health risks from biogas, in order to support the CPUC in developing standards for certain constituents found in biogas, as required by Assembly Bill 1900 (AB 1900, Gatto, Chapter 602, Statutes of 2012).

Under general direction of the Senior Toxicologist, Chief of ACES, the Staff Toxicologist (Specialist) acts as a subject matter expert in health risks from chemicals associated with oil and gas/biogas production, leading the development of assessments of nearby communities based on air monitoring data collected by CARB as well as other relevant information. The Staff Toxicologist (Specialist) performs the following duties and other related work:

Essential Functions (Including percentage of time):

- 30% Health risk assessment of communities near oil and gas operations.**
Prepare written health risk assessments for places in which neighborhood air quality near oil and gas facilities is monitored by CARB, including, but not limited to, the Study of Neighborhood Air Near Petroleum Sources (SNAPS). Use appropriate exposure metrics from CARB's community air monitoring to characterize potential health risks that may be associated with exposures to chemicals from living near oil and gas operations using chemical-specific health guidance values. Meet and coordinate with CARB to discuss data analysis and opportunities for community engagement. Communicate findings of health risk assessment to a wide audience by preparing written materials and presentations. Participate in public meetings to understand community concerns and to provide information on draft and final assessment results.

- 30% Assessment of toxicity of chemicals associated with oil and gas operations.**
Develop and manage a database of chemical hazards based on chemicals detected by CARB to characterize pollutants with respect to toxicity criteria (potential health endpoints of concern, potential for disproportionate impacts on children or other sensitive populations, adequacy of toxicological information, availability of advisory or regulatory levels, etc.). Compile existing advisory or regulatory levels for chemical hazards from California and federal or international sources of risk information. Prioritize pollutants for development of new advisory levels for the general population, if none are available.

- 30% Evaluate health guidance values to support assessments of health risks of chemicals used in biogas and biogas combustion products.**
Serve as the lead in the assessment of toxic substances occurring in California biogas and biogas combustion products. Work closely with CARB staff in determining what chemicals should be assessed for the five-year cycle update to the AB 1900 recommendations report that



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is submitted to the CPUC. Add or delete potential constituents of concern to the established list based on risk calculations. Prepare justification for the addition or deletion of constituents of concern from the established list. Review literature for chemicals with weak or no toxicity criteria. Meet with CARB and CPUC to plan and write the report. Work closely with OEHHA's Air Toxicology and Risk Assessment Section (ATRAS) to prepare the OEHHA portion of the final recommendations report to the CPUC. Participate in public meetings to understand public concerns and to provide information on draft and final assessment results. Develop, manage and consult on research contracts related to AB 1900, and attend contract meetings.

Marginal Functions (Including percentage of time):

- 5% Attend continuing education courses to maintain and further develop technical skills and expertise. Assist in preparation of articles for publication in scientific journals. Assist with organizing technical workshops of interest to the program. Participate in scientific meetings and conferences at the local and national level.
- 5% **Racial Equity and Environmental Justice (REEJ).** Attend REEJ-related trainings and activities. Trainings include building skills to enhance OEHHA's outreach through improving science communication with both written material and oral presentations. Participate in workgroups to support REEJ practices. Work with REEJ manager to support the process of including REEJ in all OEHHA programs.

Typical Physical Conditions/Demands:

The job requires extensive use of a personal computer and the ability to sit/stand at desk, utilize a phone, and type on a keyboard for extended periods of time. Ability to lift 15 pounds, bend and reach above shoulders to retrieve files and/or documents.

Typical Working Conditions:

OEHHA has a hybrid work environment that includes work in an office setting in a high-rise building and telework at home. OEHHA's office is located in a downtown high-rise office building. The air-conditioned accommodation consists of open areas furnished with cubicles, not all of which have direct natural illumination. There are extended periods of reading and writing, and frequent use of computer workstations with statistical, bibliographic, communications or word processing software. Time critical assignments are part of the workload. Availability to occasionally travel statewide and out of State. May be required to travel to other OEHHA locations, other state offices or off-site meetings outside standard business hours for business related needs as necessary.

Special Requirements of Position (Check all that apply):



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- Duties performed may require pre-employment and/ or routine screenings (background/criminal/fingerprint clearance, drug testing, fingerprinting, physical, etc.).
- Duties require participation in the DMV Pull Notice Program.
- Performs other duties requiring high physical demand. (Explain below)
- Requires repetitive movement of heavy objects and/or operation of heavy machinery or motorized vehicles.
- Other (Explain below)

Explanation:

Fair Labor Standards Act (FLSA) exempt employees are expected to work the hours necessary to accomplish assignments and fulfill their responsibilities. The employee's workload will normally require 40 hours per week to accomplish. However, inherent in the job is the responsibility and expectation that work weeks of longer duration may be necessary for which there will be no additional compensation in any form.

Management can require FLSA exempt employees to work specified hours.

However, consistent with operational needs, and the services which management has determined must be provided, the FLSA exempt employee, subject to notifying and obtaining management concurrence, has the flexibility to alter their daily and weekly work schedules.

